United States Environmental Protection Agency
Region 7
901 N. 5th Street
Kansas City, KS 66101

Date: 06/12/2003

Subject: Transmittal of Sample Analysis Results for ASR #: 2047

Project ID: JRMAWS

Project Description: Atlantic Water Supply - RA/SE sampling

From: Dale I. Bates, Director
Regional Laboratory, Environmental Services Division

To: Jim MacDonald
SUPR/ER&R

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition memo for this ASR.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

Project Manager: Jim MacDonald **Org:** SUPR/ER&R **Phone:** 913-551-7767
Project ID: JRMAWS
Project Desc: Atlantic Water Supply - RA/SE sampling
Location: Atlantic **State:** Iowa **Program:** Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00
Purpose: Site Preliminary Assessment

Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of sample for quality control purpose.

__ = Field Sample
FB = Field Blank
FD = Field Duplicate

Units: Specific units in which results are reported.

ug/L = Micrograms per Liter

Data Qualifiers: *Specific codes used in conjunction with data values to provide additional information* on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.
J = The identification of the analyte is acceptable; the reported value is an estimate.
R = The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
U = The analyte was not detected at or above the reporting limit.

ASR Number: 2047 **Sample Information Summary** **06/12/2003**

Project ID: JRMAWS **Project Desc:** Atlantic Water Supply - RA/SE sampling

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 - __		Water	Municipal Well #7		05/13/2003	10:20	05/13/2003	10:25	05/14/2003
2 - __		Water	Municipal Well #6		05/13/2003	11:00	05/13/2003	11:00	05/14/2003
4 - __		Water	MW-3 (PDB Method)		05/13/2003	12:57	05/13/2003	12:57	05/14/2003
4 - FD		Water	MW-3 (PDB Method)/Field Duplicate of sample 4		05/13/2003	12:57	05/13/2003	12:57	05/14/2003
5 - __		Water	MW-3 (Bailer Method)		05/13/2003	13:40	05/13/2003	13:40	05/14/2003
5 - FD		Water	MW-3 (Bailer Method)/Field Duplicate of sample 5		05/13/2003	13:40	05/13/2003	13:40	05/14/2003
6 - __		Water	MW-1 (PDB Method)		05/13/2003	14:15	05/13/2003	14:15	05/14/2003
7 - __		Water	MW-1 (Bailer Method)		05/13/2003		05/13/2003		05/14/2003
8 - __		Water	MW-2 (PDB Method)		05/13/2003	15:20	05/13/2003	15:20	05/14/2003
9 - __		Water	MW-2 (Bailer Method)		05/13/2003	15:50	05/13/2003	15:50	05/14/2003
13 - FB		Water	Trip Blank sample		05/13/2003	11:10	05/13/2003	11:10	05/14/2003
14 - FB		Water	Field Blank sample		05/13/2003	11:05	05/13/2003	11:05	05/14/2003

Analysis **Comments About Results For This Analysis**

1 VOCs in Water by GC/MS for Low Detection Limits

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Samples: 1-__ 2-__ 4-__ 4-FD 5-__ 5-FD 6-__
7-__ 8-__ 9-__ 13-FB 14-FB

Comments:

The reporting limits are elevated in samples -1 (10X), -8 (25X), and -9 (500X) due to dilutions.

Acetone was J-coded in sample -14FB. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to the initial instrument calibration curve not meeting linearity specifications.

Results for bromoform, 1,2-dibromoethane, and dibromochloromethane were invalidated and tetrachloroethene was J-coded in sample -4 based on low surrogate recoveries. The actual result for tetrachloroethene in sample -4 may be as much as 90% higher than the reported result.

Slight bromoform contamination was found in the laboratory method blank. Only samples containing this compound at a level greater than ten times the contamination level of the blank are reported without being qualified. All samples that contained this compound but at a level less than ten times the contamination in the blank have the result "U-coded" indicating the method reporting limit has been raised to the level found in the sample. Samples affected were: -1, -2, -4FD, -5, -5FD, -6, -7, -8, -9, -13FB, and -14FB.

Analysis/ Analyte	Units	1-__	2-__	4-__	4-FD
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	50 U	5.0 U	5.0 U	5.0 U
Benzene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	23 U	5.0 U	N/A R	1.3 U
Bromomethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	50 U	5.0 U	0.61	5.0 U
Carbon Disulfide	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Chloromethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	5.0 U	0.50 U	N/A R	0.50 U
Dibromochloromethane	ug/L	5.0 U	0.50 U	N/A R	0.50 U
1,2-Dibromoethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	50 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	50 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	95	7.9	0.94 J	0.95
Toluene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	1-__	2-__	4-__	4-FD
Trichloroethene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	5.0 U	0.50 U	0.50 U	0.50 U
total Xylene	ug/L	5.0 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	5-__	5-FD	6-__	7-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	2.1 U	1.2 U	1.4 U	1.4 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.66	0.69	0.66	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	5-__	5-FD	6-__	7-__
Trichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
total Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	8-__	9-__	13-FB	14-FB
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	130	3100	5.0 U	35 J
Benzene	ug/L	13 U	250 U	0.50 U	0.50 U
Bromochloromethane	ug/L	13 U	250 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	13 U	250 U	0.50 U	0.50 U
Bromoform	ug/L	26 U	570 U	1.3 U	1.2 U
Bromomethane	ug/L	13 U	250 U	0.50 U	0.50 U
2-Butanone	ug/L	130 U	2500 U	5.0 U	17
Carbon Disulfide	ug/L	13 U	250 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	13 U	250 U	0.50 U	0.50 U
Chlorobenzene	ug/L	13 U	250 U	0.50 U	0.50 U
Chloroethane	ug/L	13 U	250 U	0.50 U	0.50 U
Chloroform	ug/L	13 U	250 U	0.50 U	0.50 U
Chloromethane	ug/L	13 U	250 U	0.50 U	0.50 U
Cyclohexane	ug/L	13 U	250 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	13 U	250 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	13 U	250 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	13 U	250 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	13 U	250 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	13 U	250 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	13 U	250 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	13 U	250 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	13 U	250 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	13 U	250 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	13 U	250 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	13 U	250 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	13 U	250 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	13 U	250 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	13 U	250 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	13 U	250 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	13 U	250 U	0.50 U	0.50 U
2-Hexanone	ug/L	130 U	2500 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	13 U	250 U	0.50 U	0.50 U
Methyl Acetate	ug/L	13 U	250 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	13 U	250 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	13 U	250 U	0.50 U	0.50 U
Methylene Chloride	ug/L	13 U	250 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	130 U	2500 U	5.0 U	5.0 U
Styrene	ug/L	13 U	250 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	13 U	250 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	140	4300	0.50 U	0.50 U
Toluene	ug/L	13 U	250 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	13 U	250 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	13 U	250 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	13 U	250 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	13 U	250 U	0.50 U	0.50 U

Analysis/ Analyte	Units	8-__	9-__	13-FB	14-FB
Trichloroethene	ug/L	13 U	250 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	13 U	250 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	13 U	250 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	13 U	250 U	0.50 U	0.50 U
total Xylene	ug/L	13 U	250 U	0.50 U	0.50 U

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Jim MacDonald	ASRA 2047	5 / 13 / 03	1 of

CONTENTS OF SHIPMENT *water samples*

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
2047-1					2 Set	X					(Extra Volume)
~~2047-1 DUP~~					~~1 Set~~	X					→
2047-2					1 Set	X					
2047-14-FB					1 Set	X					
2047-13-~~TB~~ FB					1 Set	X					Trip Blank
2047-4					1 Set	X					
2047-4DUP					1 Set	X					
2047-5					1 Set	X					
2047-6					1 Set	X					
2047-7					1 Set	X					
2047-8					1 Set	X					
2047-9					1 Set	X					
2047-5(FD)UP					1 Set	X					
											Low volume sent from the field. OK per (RM + SH)
											Sample 1 has extra volume for QC
											Chr. Temp. Recd bet. 4-6°C

Complete

DESCRIPTION OF SHIPMENT

1 PIECE(S) CONSISTING OF _____ BOX(ES)

_____ ICE CHEST(S): OTHER _____

MODE OF SHIPMENT

X COMMERCIAL CARRIER: FedEx

_____ COURIER

_____ SAMPLER CONVEYED

835384229182 (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD 5/14/03

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
X [signature] SEALED ☐ UNSEALED ☐	5-13-03	16:15	Nicole Rowe SEALED ☐ UNSEALED ☐ 1300	Analysis
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
☐ SEALED ☐ UNSEALED			X SEALED ☐ UNSEALED ☐	
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
☐ SEALED ☐ UNSEALED			☐ SEALED ☐ UNSEALED	

7-EPA-9262(Revised 5/85)

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 1 **QC Code:** __ **Matrix:** Water **Tag ID:** 2047-1-__

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: Municipal Well #7

External Sample Number: Municipal Well #7

Expected Conc: (or Circle One: Low (Medium) High)

Latitude: ___ ___ ___
Longitude: ___ ___ ___

	Date	Time(24 hr)
Sample Collection: Start:	5/13/03	10:20
End:	5/13/03	10:25

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

8/

Sample Comments:

(N/A)

~~Extra (Double) Volume Collected~~ 5-13-03

Double Volume

Sample Collected By: S. Holmes

Sample Collection Field Sheet

US EPA Region 7
Kansas City, KS

JA 5-13-03

2047-2

JA 5-13-03

ASR Number: 2047 **Sample Number:** ~~3~~ 2 **QC Code:** __ **Matrix:** Water **Tag ID:** ~~2047-3~~ __

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: Municipal Well #6

External Sample Number: Municipal Well #6

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	5/13/03	11:00
Longitude: ___ ___ ___	**End:**	5/13/03	11:00

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: S. Holmes

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 4 **QC Code:** __ **Matrix:** Water **Tag ID:** 2047-4-__

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: MW-3 / PDB method

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)	**Date**	**Time(24 hr)**
Latitude: ___ ___ ___	**Sample Collection: Start:** 05/13/03	12:57
Longitude: ___ ___ ___	**End:** 05/13/03	12:57

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: S. Holmes

Sample Collection Field Sheet

US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** ~~22~~ 40KP **QC Code:** FD **Matrix:** Water **Tag ID:** 2047-~~22~~ 40KP FD

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: MW-3 / PDB Method

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	05/13/03	12:57
Longitude: ___ ___ ___	**End:**	05/13/03	12:57

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

~~(N/A)~~ Duplicate

Sample Collected By: S. Holmes

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 5 **QC Code:** __ **Matrix:** Water **Tag ID:** 2047-5-__

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: MW-3 / Bailer method

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)	**Date**	**Time(24 hr)**
Latitude: ___ ___ ___	**Sample Collection: Start:** 05/13/03	13:40
Longitude: ___ ___ ___	**End:** 05/13/03	13:40

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: S. Holmes

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 5[illegible] **QC Code:** FD **Matrix:** Water **Tag ID:** 2047-5[illegible]FD

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: MW-3 / Bailer Method Duplicate

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 05/13/03 13:40
Longitude: ___ ___ ___ **End:** 05/13/03 13:40

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A) Duplicate

Sample Collected By: S. Holmes

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 6 **QC Code:** __ **Matrix:** Water **Tag ID:** 2047-6-__

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: MW-1 / PDB Method

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 05/13/03 14:15
Longitude: ___ ___ ___ **End:** 05/13/03 14:15

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: S. Holmes

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 7 **QC Code:** __ **Matrix:** Water **Tag ID:** 2047-7-__

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: MW-1 / Bailer Method

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 05/13/03 __:__
Longitude: ___ ___ ___ **End:** 05/13/03 __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: S. Holmes

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 8 **QC Code:** __ **Matrix:** Water **Tag ID:** 2047-8-__

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: MW-2 PDB method

External Sample Number: MW-2

Expected Conc: (or Circle One: Low Medium (High)) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/13/03 15:20
Longitude: ___ ___ ___ **End:** 5/13/03 15:20

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: S. Holmes

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 9 **QC Code:** __ **Matrix:** Water **Tag ID:** 2047-9-__

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: MW-2 Bailer method

External Sample Number: MW-2

Expected Conc: (or Circle One: Low Medium (High)

Latitude: ___ ___ ___
Longitude: ___ ___ ___

	Date	Time (24 hr)
~~Start:~~ 5/13/03	5/13/03	~~15:20~~ 15:50
End:	5/13/03	15:50

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: S. Holmes

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 13 **QC Code:** FB **Matrix:** Water **Tag ID:** 2047-13-FB

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: TRIP BLANK

External Sample Number: TRIP BLANK

Expected Conc: (or Circle One: (Low) Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	5/13/03	11:10
Longitude: ___ ___ ___	**End:**	5/13/03	11:16

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

TRIP BLANK COLLECTED USING EPA SUPPLIED WATER

Sample Collected By: S. Holmes

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 2047 **Sample Number:** 14 **QC Code:** FB **Matrix:** Water **Tag ID:** 2047-14-FB

Project ID: JRMAWS **Project Manager:** Jim MacDonald
Project Desc: Atlantic Water Supply - RA/SE sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

BA 5-13-03

Location Desc: ~~LDL VOA Trip Blank sam~~ple Field Blank

External Sample Number: Field Blank

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 5/13/03 11:05
Longitude: ___ ___ ___ **End:** 5/13/03 11:05

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

~~(N/A)~~ Collected Field Blank at ~~N/A~~ Municipal well #6 location using EPA Lab supplied water

Sample Collected By: S. Holmes

LABORATORY CUSTOMER SATISFACTION SURVEY

Thanks for using our services, we would like to hear how we did.
Please take a few minutes and complete the survey and let us know.
Return completed surveys to Dale Bates, ENSV/RLAB.

Name: _____

Division/Branch/Section: _____

ASR Number: 2047 **Date:** _____

Was your data received in a timely manner?	1 Data was very late	2	3 30 day (standard)	4	5 Results received before expected
Was the data usable for its intended purpose?	1 Of little value	2	3 Meets my needs	4	5 Exceeded my expectations
How was communication with the people in the laboratory?	1 Poor and hard to understand	2	3 Average	4	5 Clear and informative ☐ No communication on this activity
What is your opinion of the RLAB's ability to resolve your problem?	1 Slow and uncaring	2	3 Average	4	5 Excellent, always available ☐ No problem on this data set
What is your opinion of the process to obtain data (e.g., ASRs, etc.)?	1 Too much trouble	2	3 Neutral	4	5 Excellent, indispensable
What is your confidence in the data results you received?	1 Troublesome	2	3 Acceptable	4	5 Very Comfortable
Comments:					

Code: 4

United States Environmental Protection Agency
Region VII
901 N. 5th Street
Kansas City, KS 66101

Date: __/__/____

Subject: Data Disposition for ASR #: 2047

Project ID: JRMAWS

Project Description: Atlantic Water Supply - RA/SE sampling

From: Jim MacDonald
SUPR/ER&R

To: Dee Simmons
ENSV/RLAB/CATS

I have received and reviewed the Transmittal of Sample Analysis Results for the above-referenced Analytical Services Request(ASR) and have indicated my findings below by checking one of the boxes.

☐ After reviewing the data, I have found that NO CHANGES ARE NECESSARY. Please change the ASR status to 'RELEASED' so that the electronic form of the data are available on the LAN in R7LIMS for my use. I realize that this will make these results available in read-only form to all Region 7 employees and contractors that have R7LIMS 'Customer' account.

☐ After reviewing the data, I have found that NO CHANGES ARE NECESSARY. Please change the ASR status to 'PM Available' so that the electronic form of the data are available on the LAN in R7LIMS for my use only.

☐ After reviewing the data, I have found that NO CHANGES ARE NECESSARY. Please DO NOT change the ASR status to 'RELEASED' or 'PM Available' as THIS DATA IS OF A SENSITIVE NATURE. I realize that this data will be archived on-line and any future reports or electronic data dumps must be requested through the laboratory.

☐ After reviewing the data, I have found that SOME CHANGES ARE NECESSARY. PLEASE MAKE THE CHANGES DETAILED IN THE ATTACHED LIST and re-transmit this data package. I realize that if I wait more than 14 days after the date of the data transmittal the data may already be archived and additional time may be required to make these changes.